



SHEET 1 OF 3

INFORMATION DISCLOSURE
CITATION IN AN
APPLICATION

(PTO-1449)

ATTY. DOCKET NO.
50229-429SERIAL NO.
10/796,304APPLICANT
Jurgen ROHR, et al.FILING DATE
March 10, 2004GROUP
1645

U.S. PATENT DOCUMENTS

EXAMINER'S INITIALS	CITE NO.	Document Number Number-Kind Codez (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
RS		US 3,592,925	07-13-1971	R.H. Evans, JR., et al.	
		US 3,648,194	02-29-1972	B. A. Sobin, et al.	
		US 3,821,085	06-28-1974	Zhdanovich et al.	
		US 3,806,093	09-16-1975	Sobin et al.	
		US 4,141,974	02-27-1979	Davies et al.	
		US 4,452,786	06-05-1984	Mitsuhashi et al.	
		US 4,511,560	04-16-1985	Tomita et al.	
		US 4,935,445	06-19-1990	Merry	
		US 5,057,034	10-15-1991	Kretzschmar et al.	
		US 5,656,736	08-12-1997	Nakano et al.	
		US 5,723,448	03-03-1998	Gross et al.	
		US			
		US			
		US			

FOREIGN PATENT DOCUMENTS

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OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

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EXAMINER
/Rodney Swartz/DATE CONSIDERED
01/05/2007

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RS		Lily L. REMSING, et al. "Mithramycin SK, A Novel Antitumor Drug with Improved Therapeutic Index, Mithramycin SA, and Demycarosyl-mithramycin SK: Three New Products Generated in the Mithramycin Producer <i>Streptomyces argillaceus</i> through Combinatorial Biosynthesis" J. AM. CHEM. SOC. 2003, 125, pp. 5745-5753			
		Robert J. FERRANTE, et al. "Chemotherapy for the Brain: Mithramycin Prolongs Survival in a Model of Huntington's Disease"			
		L. PRADO, et al. "Analysis of two chromosomal regions adjacent to genes for a type II polyketide synthase involved in the biosynthesis of the antitumor polyketide mithramycin in <i>Streptomyces argillaceus</i> ." 1: Mol Gen Genet. 1999 Mar;261(2):216-25.			
		G. BLANCO, et al. "Characterization of two glycosyltransferases involved in early glycosylation steps during biosynthesis of the antitumor polyketide mithramycin by <i>Streptomyces argillaceus</i> ." 1: Mol Gen Genet. 2000 Jan;262(5):991-1000.			
		MJ LOZANO, et al. "Characterization of two polyketide methyltransferases involved in the biosynthesis of the antitumor drug mithramycin by <i>Streptomyces argillaceus</i> ." 1: J Biol Chem. 2000 Feb 4;275(5):3065-74.			
		J. KANTOLA, et al. "Folding of the polyketide chain is not dictated by minimal polyketide synthase in the biosynthesis of mithramycin and anthracycline." 1: Chem Biol. 1997 Oct;4(10):751-5.			
		L. PRADO, et al. "Oxidative cleavage of premithramycin B is one of the last steps in the biosynthesis of the antitumor drug mithramycin." 1: Chem Biol. 1999 Jan;6(1):19-30.			
		E. FERNANDEZ, et al. "Identification of two genes from <i>Streptomyces argillaceus</i> encoding glycosyltransferases involved in transfer of a disaccharide during biosynthesis of the antitumor drug mithramycin." 1: J Bacteriol. 1998 Sep;180(18):4929-37.			
		D RODRIGUEZ, et al. "Purification and characterization of a monooxygenase involved in the biosynthetic pathway of the antitumor drug mithramycin." 1: J Bacteriol. 2003 Jul;185(13):3962-5.			
		D RODRIGUEZ, et al. "MtmMII-mediated C-methylation during biosynthesis of the antitumor drug mithramycin is essential for biological activity and DNA-drug interaction." 1: J Biol Chem. 2003 Dec 5 [Epub ahead of print].			
		A. GONZALEZ, et al. "The mtmVUC genes of the mithramycin gene cluster in <i>Streptomyces argillaceus</i> are involved in the biosynthesis of the sugar moieties." MOLECULAR AND GENERAL GENETICS, (FEB 2001) Vol. 264, No. 6, pp. 827-835. SPRINGER-VERLAG, New York.			
EXAMINER /Rodney Swartz/			DATE CONSIDERED 01/05/2007		

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RS		Lily L. REMSING, et al. "Ketopremithramycins and ketomithramycins, four new aureolic acid-type compounds obtained upon inactivation of two genes involved in the biosynthesis of the deoxysugar moieties of the antitumor drug mithramycin by <i>Streptomyces argillaceus</i> , reveal novel insights into post-PKS tailoring steps of the mithramycin biosynthetic pathway." JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, (2002 Feb 27) 124 (8) 1606-14.					
		Axel TREFZER, et al. "Rationally designed glycosylated premithramycins: hybrid aromatic polyketides using genes from three different biosynthetic pathways." JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, (2002 May 29) 124 (21) 6056-62.					
		J. PLOWMAN, et al. "Efficacy of the quinocarmycins KW2152 and DX-52-1 against human melanoma lines growing in culture and in mice." CANCER RESEARCH, (1995 Feb 15) 55 (4) 862-7.					
		P. H. VIOLIER, et al. "Role of acid metabolism in <i>Streptomyces coelicolor</i> morphological differentiation and antibiotic biosynthesis." JOURNAL OF BACTERIOLOGY, (2001 May) 183 (10) 3184-92.					
		Lily L. REMSING, et al. "Inhibition of c-src transcription by mithramycin: structure-activity relationships of biosynthetically produced mithramycin analogues using the c-src promoter as target." BIOCHEMISTRY, (2003 Jul 15) 42 (27) 8313-24.					
		K. STAJNER, et al. "Variability and strain selection in <i>Streptomyces atroolivaceus</i> . II. Chromatographic analysis of mithramycin-producing and nonproducing strains." Folia Microbiologica (Prague, Czech Republic) (1974), 19(6), 498-506.					
		G. BLANCO, et al. "Identification of a sugar flexible glycosyltransferase from <i>Streptomyces olivaceus</i> , the producer of the antitumor polyketide elloramycin." CHEMISTRY AND BIOLOGY, (2001 Mar) 8 (3) 253-63.					
		M J F LOZANO, et al. "Characterization of two polyketide methyltransferases involved in the biosynthesis of the antitumor drug mithramycin by <i>Streptomyces argillaceus</i> ." JOURNAL OF BIOLOGICAL CHEMISTRY, (4 FEB 2000) Vol. 275, No. 5, pp. 3065-3074. Publisher: AMER SOC BIOCHEMISTRY MOLECULAR BIOLOGY INC, Bethesda, MD.					
		Lily L. REMSING, et al. "Mithramycin SK, a novel aureolic acid-type antitumor compound generated by combinatorial biosynthesis, shows an improved therapeutic index compared to mithramycin in <i>in vitro</i> antitumor and toxicity assays." 2003, American Association for Cancer Research. 2003 Proceedings of the AACR < http://aacr03.agora.com/planner/displayabstract.asp?presentationid=9968 >					
		Sukalyan CHATTERJEE, PhD, et al. "Sequence-Selective DNA Binding Drugs Mithramycin A and Chromomycin A ₃ Are Potent Inhibitors of Neuronal Apoptosis Induced by Oxidative Stress and DNA Damage in Cortical Neurons." Annals of Neurology, Vol. 49, No. 3, March 2001, Wiley-Liss, Inc., pp. 345-354.					
↓		Lily L. REMSING, et al. "Ketopremithramycins and Ketomithramycins, Four New Aureolic Acid-Type Compounds Obtained upon Inactivation of Two Genes Involved in the Biosynthesis of the Deoxysugar Moieties of the Antitumor Drug Mithramycin by <i>Streptomyces Argillaceus</i> , Reveal Novel Insights into Post-PKS Tailoring Steps of the Mithramycin Biosynthetic Pathway." J. AM. CHEM. SOC., Vol. 124, No. 8, 2002, pp. 1606-1614.					
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